

WHAT IS CLAIMED IS:

1. A liquid crystal display, comprising;

an upper substrate with a common electrode thereon;

5 a lower substrate with a pixel electrode thereon;

a liquid crystal layer injected between the upper substrate and the lower substrate;

spacers positioned between the upper substrate and the lower substrate,

wherein liquid crystal molecules on the both substrates are aligned antiparallel to each other, and the color of the spacers is black.

10 2. A liquid crystal display of claim 1,

wherein the liquid crystal display further comprises a compensation film and a polarizer.

3. A liquid crystal display of claim 2,

15 wherein a slow axis of the compensation film is not parallel to a transmittance axis of the polarizer.

4. A liquid crystal display of claim 3,

wherein the angle between the slow axis of the compensation film and the transmittance axis of the polarizer is about 45 degree.

20 5. A liquid crystal display of claim 1,

wherein the spacers are ball type or column type.

6. A liquid crystal display, comprising;

an upper substrate with a common electrode thereon;

a lower substrate with a pixel electrode thereon;

a liquid crystal layer injected between the upper substrate and the lower substrate;

spacers positioned between the the upper substrate and the lower substrate,

wherein the alignment of the liquid crystal layer is OCB type, and the spacers are black.

7. A liquid crystal display of claim 6,

wherein the liquid crystal display further comprises a compensation film and a polarizer.

8. A liquid crystal display of claim 7,

a slow axis of the compensation film is not parallel to a transmittance axis of the polarizer.

9. A liquid crystal display of claim 8,

an angle between the slow axis of the compensation film and the transmittance axis of the polarizer is about 45 degrees.

10. A liquid crystal display of claim 6,

wherein the spacers are ball type or column type.

11. A liquid crystal display of claim 7,

wherein the compensation film has a smaller dispersion of birefringence than the liquid crystal layer.

12. A liquid crystal display, comprising;

an upper substrate with a common electrode and a color filter thereon;

a lower substrate with a pixel electrode, and an array of thin film transistors;

a liquid crystal layer injected between the upper substrate and the lower substrate;

5 spacers positioned between the upper substrate and the lower substrate;

wherein light transmittance of the spacers is lower than 3 % and number of the spacers is less than 90 in one square millimeter.

13. A liquid crystal display of claim 12,

10 wherein the liquid crystal display further comprises a compensation film and a polarizer.

14. A liquid crystal display of claim 13,

wherein a slow axis of the compensation film is not parallel to a transmittance axis of the polarizer.

15 15. A liquid crystal display of claim 14,

wherein an angle between the slow axis of the compensation film and the transmittance axis of the polarizer is about 45 degree.

20 16. A liquid crystal display of claim 12,

wherein the spacers are ball type or column type.

17. A liquid crystal display of claim 12,

wherein the compensation film has a smaller dispersion of the birefringence than the

liquid crystal layer.

18. A liquid crystal display, comprising;

an upper substrate with a common electrode thereon;

5 a lower substrate with a pixel electrode thereon;

a liquid crystal layer injected between the upper substrate and the lower substrate;

spacers positioned between the upper substrate and the lower substrate,

wherein liquid crystal molecules of the liquid crystal layer on both the upper substrate
and the lower substrate are aligned antiparallel to each other, and number of the spacers is less
10 than 90 in one square millimeter.

19. A liquid crystal display of claim 18,

wherein the liquid crystal display further comprises a compensation film and a polarizer.

15 20. A liquid crystal display of claim 19,

wherein a slow axis of the compensation film is not parallel to a transmittance axis of the
polarizer.

21. A liquid crystal display of claim 20,

20 wherein an angle between the slow axis of the compensation film and the transmittance
axis of the polarizer is about 45 degrees.

22. A liquid crystal display of claim 18,

wherein the spacers are ball type or column type.

23. A liquid crystal display of claim 18,

wherein the compensation film has a smaller dispersion of the birefringence than the liquid crystal layer.